

# HCAFBY-50-5

## PE Sheath Coaxial Cable

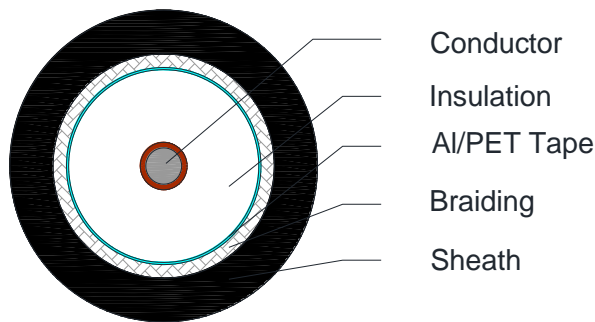


C5566

### Applications

CATV and SMATV

### Cross Section Drawing



### Design

Unit	Properties
Conductor	Copper Clad Aluminum (CCA)
Dielectric	Foamed Polyethylene
Screen	Bonded Aluminium/ Polyester / Aluminium foil 100% coverage
Braid	Tinned Copper Wire
Sheath	Polyethylene (PE) Standard colour: Black
Standard Put Up Length	305metres

\*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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**C5566**

### Physical Characteristics

Part Number	C5566
Nom. Diameter Conductor(mm)	1.80
Nom. Diameter Dielectric	4.80
Coverage Braid (%)	80
Nom. Overall Diameter(mm)	7.60
Operating Temperature (°C)	-40 to +85
Min. Bending Temperature (°C)	-15
Min. Bend Radius (install)(mm)	75

### Electrical Characteristics at 20°C

Part Number	C5566
Impedance(Ohm)	50 ± 2
Min. Insulation Resistance (MOhm*km)	5000
Cut-off Frequency (GHz)	22.8
Nominal Capacitance (pF/m)	80
Velocity of Propagation (%)	82
With stand Voltage(AC) (KV)	2.0
Sparkover Voltage (KV)	3.0
Peak Power Rating (KW)	9.23
Min. Screen Efficiency (dB)	85
Min. Return Loss 1 to 1000 MHz (dB)	1.15
Min. Return Loss 1000 to 2000 MHz (dB)	1.20
Min. Return Loss 1000 to 3000 MHz (dB)	1.25

### Nominal Attenuation in dB/100m

Frequency (MHz)	Attenuation	Frequency (MHz)	Attenuation
100	6.3	1500	26.8
150	7.8	1800	29.7
280	10.8	1900	30.6
350	12.1	2000	31.5
400	13.0	2200	33.3
800	18.9	2500	35.8
900	20.2	2800	38.3
1200	23.7	3000	39.9

### Reference Standards

(BS) EN 50290-2	IEC 60228
RoHS directives	